

Adurel Roofing Specification

Metal Roof Restorations
SEBS Method

Use over Existing Metal Panel Roofs

Section 0700

Part 2 – Products (For complete specifications, see CD version)

2.01 Manufacturers

A. Adurel International, Inc., 820 Water St., Racine WI 53403 800.860.5834 262.643.3446 Fax

2.02 Surface Preparation (optional depending on substrate condition)

A. Adurel CC400 – a highly concentrated biodegradable clean rinsing cleaner / degreaser

2.03 Reinforcing Mesh

A. Flashing mesh

1. BT4 butyl tape
2. Death Grip High Tensile Cured Butyl

2.04 Primers

A. A808 for asphalt stain blocking

2.05 Detail Mastics

A. MS2000B – Modified SEBS mastic

2.06 Finish Coat – Thermoplastic SEBS rubber

A. MS2000 / MS2100 / MS2300

2.07 Mixing

A. Adurel primers and finishes – Mix to uniform consistency

2.08 Application tools and equipment: Application tools shall be equal and adequate to the equipment outlined for the work and workmanship required herein.

A. Miscellaneous tools and equipment

1. Caulk gun – High leverage Qt cartridge gun
2. 350-rpm 7-amp minimum ½" drill with rectangular paddle – to mix material
3. 4" HD double thick chip brushes to smooth mastics
4. 6' pole and duck tape- to attach brush for back-brushing vertical seams and fasteners
5. Diamond flex trowel to tool mastics
6. 9" chemical resistant rollers and frames for priming, if needed
7. Spray equipment having the equivalent of 3000 psi and 2 gal. / min. 3/8 min ID hose to gun with gun having reversible self-cleaning tip (see data sheets for specific tip requirements per coating)

Part 3 – Execution

3.01 Acceptable Installers

A. Pre-qualify under Quality Assurance requirements of the specification (section 1.07.B)

Addendum: Specification AD300 MS Instructions for restoration and waterproofing of metal roofs

A. Cleaning

1. Clean off any dirt or contaminants from surface that may interfere with adhesion. Use CC400 diluted 20:1 with water and power-rinse clean.

B. Priming

1. Not normally needed. Pre-prime heavy rust with MS2100 base coat.

C. Fasteners

1. Replace stripped fasteners with oversized versions of the same fastener (i.e., aluminum, galvanized, or stainless must remain as designated by the manufacturer).
2. Detailing not required with 2-coat method. Back-brush fastener heads during base coat application.

- D. **Vertical Joints:** Vertical joints will be finished in a fashion relative to the existing condition. Non-ferrous and pre-painted metals with well designed joints may not need this detail.
1. Gun and back-brush a liberal layer of MS2000B mastic into joint to 100 mils.
- E. **Horizontal Joints:** Horizontal joints need to be screwed tight with the appropriate fastener to minimize movement both during the application and after completion.
- Option A: Mastic Method**
1. Gun MS2000B in serpentine pattern centered and under joint to approx a 2" girth. Feather upper and lower edges using the gun nose while applying the material.
- Option B: Tape Method**
1. Clean surface and apply the BT4 or Death Grip tape centered on the lap. Use MS2200 as a primer.
- F. **Flashings** – Flashings will be finished in a fashion relative to the existing condition.
1. Tape transition joints with the BT4" tape
 2. Other flashings are detailed with the MS2000B mastics
- G. **Closures**
1. Replace missing closures. Push and refasten drifting closures into place.
 2. Brush MS2000B mastic into closures.
- H. **Application of Finish Coats**
1. Spray finish coat centered at the rib from peak to gutter and immediately back from gutter to peak. Spray pattern should extend past both ribs approx 3" onto adjacent panels. Long roofs can go from horizontal lap to lap. Pay special attention to keep a wet edge and have wind blowing from wet work toward the sprayer if possible to avoid sand finish overspray.
- I. **Curb Backs and Saddles – Optional additional work**
1. Pour Black Magic pitch pan filler behind curbs to level area. Fill with inert materials to reduce displacement. Cover perimeter of mix with MS2100 and polyester prior to coating.
- J. **Gutters – Optional additional work**
1. Set the PF57-4" centered on joints and coat with 2 layers of U5500 @ 1.5 gal. / sq. per coat. Set tape over dry base or into wet base coat if rusty. Use MS2200 as an option with the same method.
- K. **Skylights – Optional additional work**
1. Finish with A606 transparent blue or optional clear. Apply 2 coats @ 1.2 gal. / sq. per coat.

Practical Material Estimates	Detail	Products	Coverage	Total Mils
Metal Roof Systems – SEBS Solvent Based <u>Direct to Rust HD</u>	Seams Horizontal <u>AD300 MS</u>	MS2000M BT-4" Butyl Tape <u>MS2200</u>	1 tube / 50-90 ft. 50' per roll <u>2.25 gal. / sq. in 2 separate coats (sprayed)</u>	16 mils
<u>Silver Option***</u>	<u>AD300 MSA</u>	<u>MS2300 silver</u>	2 coats MS2300 @ ¾-1 gal. per sq. per coat (sprayed)	<u>16 mils</u>

** Spot prime heavy rust with the MS2100 prior to coating.

*** Silver is used going over asphalt coatings where asphalt bleeding is not blocked by acrylics. Regular silver coat is commonly asphalt based and will bleed. The MS1900 black base is used to guide coverage in a 2-coat application and lower costs. The MS2300 can be used on both coats if desired.

Note: Physical data subject to changes without notice as products are improved and modified for better performance.